

INTERVIEW WITH [REDACTED]

Q= [REDACTED]

A= [REDACTED]

Q: Ah, we're back on the record the time now is 6:48 - 1848 hours, same people, I just accidentally hit stop instead of pause. So, ah, let's go back a little bit since I have this folder with me now.

A: Okay.

Q: Go back in time a little bit here, I'll set this recorder here out of the way. So in 2015 and I just wanna show you some photos here of them doing the cross bracing is that what you're talking about there?

A: That's correct, yup.

Q: Yeah and just for the record we're looking at a, ah 000 - 0000028 - 29 excuse me - 29 and 30, 31 yeah that's all the stuff we were talking about in 2015?

A: That's correct.

Q: Okay.

A: The bracing, the strapping, yup.

Q: Yeah. So then July - we're talking about July of 2017 and here you said you responded, so you weren't on there when it actually started to give way?

A: I was not.

Q: Okay. Can you tell me what happened?

A: Yes, um, I was notified by the overnigher, um, as you're probably aware there are staff that remain on site, that we ro- the staff rotated so, um, I was, ah, notified via phone call, um...

Q: Who was your overnigher at that time?

46 A: Oh God, um, that event it was, ah, ([REDACTED])  
47  
48 Q: Okay.  
49  
50 A: ...I believe. Um...  
51  
52 Q: So you get a call from ([REDACTED])...  
53  
54 A: I get a call from ([REDACTED]), um - ah, very little detail other than it appears the  
55 site had moved, um, which in our industry was a big deal...  
56  
57 Q: Sure.  
58  
59 A: ...of course. I, ah - at that point I begin making my way - excuse me - I begin  
60 making my way towards, ah - ah, where our vessels were docked, ah, large  
61 marina. At the same time I notified ([REDACTED]) um, and, ah, I believe he  
62 contacted then ([REDACTED]), um, who, um - who also  
63 arrived on site shortly after I did. Ah, I also contacted my ([REDACTED])  
64 ([REDACTED]) who began making his way from home. Um, when I arrived on  
65 site, um, it was evident that we had lost a substantial number of our anchors  
66 on the north side - ah, northish side...  
67  
68 Q: Sure.  
69  
70 A: ...ah, sec- facing site three. Um, I - I don't know the exact number of anchors,  
71 but it was substantial enough so that the site itself had shifted over and come  
72 to rest on the opposite side anchors.  
73  
74 Q: Okay.  
75  
76 A: Ah, at that point, um - I - ah, at that point I know ([REDACTED]) was on his way up  
77 from Seattle, um - ah...  
78  
79 Q: What time of day is this roughly?  
80  
81 A: Ah, evening.  
82  
83 Q: Okay.  
84  
85 A: Um...  
86  
87 Q: But it's summer so there's still a lot of light?  
88  
89 A: Still - there was a couple hours left of light.  
90

91 Q: Okay.

92

93 A: So at that point, um, we begin, um, contacting, ah, tug vessels and any vessels  
94 in the area, um, that may be able to assist. By assist I mean try and pull the  
95 site in place through the tides...

96

97 Q: Sure.

98

99 A: ...so at least we could begin resetting anchors.

100

101 Q: Okay. So you there, ah, on the 22nd, when you got there did you take any  
102 pictures of anything?

103

104 A: Um, I do not have any pictures.

105

106 Q: Okay.

107

108 A: Some pictures were taken, um, those, um, I would guess, ah, D&R or the  
109 Department of Ecology may have. They, um, my phone and my top end  
110 computer were, um, I don't know for lack of a better term, ah, swiped,  
111 scrubbed, whatever. They had a data recovery team come out and go through  
112 my phone, ah, laptop, um, the office computer and stuff, um, I don't have any  
113 photos I actually looked...

114

115 Q: Okay.

116

117 A: ...um, I don't have any left on my phone.

118

119 Q: But you had 'em before?

120

121 A: I believe there was some on there...

122

123 Q: And you - they...

124

125 A: ...um...

126

127 Q: ...took 'em off? You mean that - is it ([REDACTED]) took them off?

128

129 A: I mean that it's in the, ah - I think - I - I - let me say this, I must have taken  
130 some pictures...

131

132 Q: Okay.

133

134 A: ...um, I don't have any in my cloud...

135

136 Q: Sure.  
137  
138 A: ...the phone - ah, the company phone I had took a swim...  
139  
140 Q: Oh okay.  
141  
142 A: ...um, a little while ago...  
143  
144 Q: It was an accident?  
145  
146 A: Yes...  
147  
148 Q: Yeah okay.  
149  
150 A: ...ah, my dog rolled my canoe over...  
151  
152 Q: Oh.  
153  
154 A: ...um, so.  
155  
156 Q: Okay.  
157  
158 A: Ah, I did check my cloud, I don't have any stored there, um, and I didn't have  
159 any - um, I don't have any.  
160  
161 Q: Okay no problem. When you get there what do you see?  
162  
163 A: Ah...  
164  
165 Q: I mean obviously it's sitting on the other side of anchors, is it damaged?  
166  
167 A: Ah, there's some buckling in the walkways...  
168  
169 Q: Okay.  
170  
171 A: ...um - ah, as far as official damage from afar there's some buckling in the  
172 walkways, the - the shape - the structural integrity of the farm itself definitely  
173 looks to be compromised somewhat.  
174  
175 Q: Okay.  
176  
177 A: Um, the anchors themselves had to - ah, disconnected from the site, ah, so  
178 there was, um - there was actual damage where the anchor points - the pad  
179 eyes...  
180



181 Q: Pad eyes right.  
182  
183 A: ...the pad eyes that connected to the farm - or the anchor line came up to the  
184 pad eyes, those pad eyes, ah, in a lot of cases had, ah, ripped off of the - the  
185 farm itself.  
186  
187 Q: Sure.  
188  
189 A: Um, so there - there was that, there was damage to that extent as well as sea  
190 walkways, um, and some areas were bent...  
191  
192 Q: Okay.  
193  
194 A: ...(unintelligible) broken.  
195  
196 Q: The, ah - ah, pad eye break and then I have a couple pictures here, ah - I - I  
197 have 'em somewhere. (Unintelligible) here. I have three pictures, I just got  
198 these today, but, ah, they're not the best pictures, but they're - is this what  
199 you're talking about this walkway - is this a walkway that's under water here?  
200  
201 A: That's correct.  
202  
203 Q: Okay. Now is that - is that walkway bent and leaned over is that what it is?  
204  
205 A: It appears that way.  
206  
207 Q: Okay - okay. So this is what you kind of saw when you got there?  
208  
209 A: That's correct.  
210  
211 Q: Okay. Was there more extensive damage then just this too?  
212  
213 A: Um, no these pictures, ah, speak to the extent of damage.  
214  
215 Q: Okay.  
216  
217 A: Ah...  
218  
219 Q: Besides the - the pad as we talked about?  
220  
221 A: That's correct.  
222  
223 Q: Right - okay. All right so this thing - now the way it looks to me this thing had  
224 a - and in talking to others, it seems like it's kind of like an accordion that can  
225 move back and forth a little bit, but in this one it was described like it was

226 kind of all coming together in one piece in a set is that correct?  
227  
228 A: Yeah we are - we are discussing - we are speaking of the July (unintelligible).  
229  
230 Q: July exactly yeah.  
231  
232 A: Um, given the - given the, ah - the design of the cages and the multiple inch  
233 points...  
234  
235 Q: Yeah.  
236  
237 A: ...um, there was clearly, ah, during this event, ah, some as you stated  
238 accordion like, ah, kind of..  
239  
240 Q: Action?  
241  
242 A: ...action yes.  
243  
244 Q: Yeah.  
245  
246 A: Ah, that action did relax...  
247  
248 Q: Okay.  
249  
250 A: ...as the tide subsided and the current switched, um, to a point where the site  
251 itself relaxed to - back to - not back to its prior, ah, commitment, but it did  
252 relax quite a bit.  
253  
254 Q: Okay. And is this, ah - so let's keep going in there. You arrive on scene, ah,  
255 the structure clearly has some damage to it, ah, it's clearly broken away from  
256 all the north - or a lot of the north end anchors, is now sitting in the south end  
257 anchors, ah, but what - what - what did you do?  
258  
259 A: Um, again, ah, we contacted, ah, as many, ah, tug vessels...  
260  
261 Q: Right  
262  
263 A: ...that we could to assist us with that. Um, first thing that I did was have, ah,  
264 our crew that responded, ah, ([REDACTED]), ah, and his deck hand on the  
265 clam digger as well, um, we begin removing, ah, vital equipment, um, and  
266 hazardous material from the site, ah, fuel cells, generators, material. Our - our  
267 first - our first priority was removing, ah, fuel cell compressors, generators off  
268 the site itself, um, and then we begin removing, ah, material as we, ah, are  
269 waiting for assistance with the tugs.  
270

271 Q: In - in your opinion at the time was the damage enough that you thought this  
272 thing may go all the way down?  
273  
274 A: I did not know.  
275  
276 Q: Okay. All right. But it did?  
277  
278 A: Ah, it did - yeah I - I did not know.  
279  
280 Q: That's okay. Okay.  
281  
282 A: Um - ah, at that point [REDACTED] shortly after that arrived on site, um, he took  
283 leadership of the operation at that point, um, and, ah, for the next several days  
284 - the next four or five days, we worked, ah, resetting anchors, um - ah,  
285 checking the strength in the areas where the anchors connected, um, we, ah -  
286 and all of this is - is in my, ah, Department of Ecology interview as well. Um -  
287 ah, but for the next several days we begin - ah, attempting to set anchors, we  
288 had issues with the tides, um, we make some progress, the tides would run, ah,  
289 set us back, we'd make some progress. So it was a battle for a couple days and  
290 finally we, ah, did get it, um, anchored in position and it was deemed safe for  
291 operation again.  
292  
293 Q: Who - who determines that?  
294  
295 A: Um, as far as I was concerned, ah, [REDACTED]  
296  
297 Q: Okay.  
298  
299 A: (Ennis Weir) instructed me to resume operations, feeding, diving, resume  
300 normal - normal operations, um, at that point.  
301  
302 Q: Sure. So you get, ah - there's 20 - 22 anchors on the whole system roughly...  
303  
304 A: Approximately.  
305  
306 Q: ...you get the majority of them all back together or you get, you know, all of  
307 them back together, ah, what else was done to the structure itself?  
308  
309 A: Um, we were instructed to install chains, um, across the walkways, ah, these  
310 chains were installed across the out rigor walkways...  
311  
312 Q: Okay.  
313  
314 A: ...so that there's - not the main bridge, but the out rigor walkways...  
315



316 Q: Which are the ones on the outside?  
317  
318  
319 A: That's correct - ah, no that would be the perimeter...  
320  
321 Q: Okay.  
322  
323 A: ...so, ah, perimeter walkways...  
324  
325 Q: Yes.  
326  
327 A: ...main bridge, then the out rigors for these run...  
328  
329 Q: Got it.  
330  
331 A: ...running this way.  
332  
333 Q: Got it okay.  
334  
335 A: Ah, we installed chain running across those walkways, they were connected to  
336 the anchor points on each side, um, and, ah - as well we did run a chain down  
337 the main walkway...  
338  
339 Q: Okay.  
340  
341 A: ...um, and those were of course for structural support. There was also some  
342 repair work done by ([REDACTED]) and his team on a couple sections of the  
343 perimeter walkways...  
344  
345 Q: Sure.  
346  
347 A: ...that had shown the, ah, most severe damage.  
348  
349 Q: Okay. This is a composite photo of two photos taken, is this - this kind of  
350 what you saw when you showed up?  
351  
352 A: Um, okay so we're looking towards site one...  
353  
354 Q: And this...  
355  
356 A: ...um...  
357  
358 Q: ...was taken from...  
359  
360 A: No this was - this was, um, sometime after my initial arrival.



361  
362 Q: When things had mellowed out a little bit? As you can see the...  
363  
364 A: Mellowed out.  
365  
366 Q: ...the bridle on here...  
367  
368 A: Right so...  
369  
370 Q: ...and it's close to the Morning Star...  
371  
372 A: ...this is...  
373  
374 Q: ...there.  
375  
376 A: Morning Star as you can see there's a tug from (Culbertson)'s there on site, so  
377 this is - this is after my initial arrival to end some, ah, support vessels that  
378 arrived and we had been able to install the bridle and had some - excuse...  
379  
380 Q: Right.  
381  
382 A: ...my expression.  
383  
384 Q: Ah, would you say that the structure at this point looks better than when you  
385 showed up initially?  
386  
387 A: Ah, it - it - based on this photo it does not seem to look better.  
388  
389 Q: Okay, okay. Ah, so obviously this is a picture of the - one of the pad eyes  
390 that's been broken...  
391  
392 A: That's correct.  
393  
394 Q: ...and then, ah, just the broken part of it again here?  
395  
396 A: Correct.  
397  
398 Q: And, ah, this is one of the beams that you were talking about...  
399  
400 A: Ah, yes.  
401  
402 Q: ...and we're talking about I think there's 0000044 is the picture, ah, is that  
403 what ([REDACTED]) put on it?  
404  
405 A: After the July event yes.

406  
407 Q: Yeah, all right, okay. That's a better shot of it, and that's...  
408  
409 A: Yup/  
410  
411 Q: ...number 46?  
412  
413 A: Correct.  
414  
415 Q: Okay. Now are these the chains you're talking about here?  
416  
417 A: That's correct.  
418  
419 Q: Ah, who was the engineer on this? Was there a set of plans drawn up, was  
420 there engineering stuff showed up?  
421  
422 A: I do not know.  
423  
424 Q: Okay.  
425  
426 A: I was given instructions to set these chains up in this manner.  
427  
428 Q: Okay and it - you don't know who - who designed it, who talked about it?  
429  
430 A: I do not..  
431  
432 Q: Okay.  
433  
434 A: ...no.  
435  
436 Q: All right. Ah, you got so more shots of it, the chains themselves?  
437  
438 A: Ah, it's the attachment right here.  
439  
440 Q: Yeah just more shots of this chain - the chain right down there...  
441  
442 A: Correct.  
443  
444 Q: ...and hooking to the pad eye...  
445  
446 A: Attachment point.  
447  
448 Q: ...attachment point correct. Okay. Obviously that's the - the Morning Star...  
449  
450 A: Yup.

451  
452 Q: ...picture of the Morning Star, and then here's - this is a really cool shot, this is  
453 actually the visual from Google Earth...  
454  
455 A: Mm-hm.  
456  
457 Q: ...and you can see from their shot in Google Earth that's the Morning Star  
458 hooked to it.  
459  
460 A: Yup.  
461  
462 Q: And, ah, I don't know what that boat is, but, um - and - and the Morning Star  
463 hooked a bridle to you and kind of held it in place is that correct?  
464  
465 A: That is correct.  
466  
467 Q: Okay. How long is the Morning Star there?  
468  
469 A: Ah I don't recall...  
470  
471 Q: Okay.  
472  
473 A: ...ah - ah...  
474  
475 Q: No problem.  
476  
477 A: ...couple days yeah...  
478  
479 Q: Couple days yeah.  
480  
481 A: ...a - a while.  
482  
483 Q: Yeah the - when we were talking earlier this is - obviously from this picture  
484 this is the northwest corner right here...  
485  
486 A: Mm-hm.  
487  
488 Q: ...and - and it's - your understanding of this area right here is where it started  
489 to fail...  
490  
491 A: Um...  
492  
493 Q: ...or do you have an idea?  
494  
495 A: ...I don't, ah - ah, I don't have an exact idea...

496

497 Q: Okay.

498

499 A: ...as I said, you know, it's just that I wasn't on site when it happened. When I  
500 did arrive this entire side and around each corner, ah, multiple anchors had  
501 released and the whole side shifted.

502

503 Q: Started shifting, I gotcha okay. These are just more shots of the same thing.

504

505 A: Yup.

506

507 Q: That's actually Google Earth and one of the shots where it was from. Okay.  
508 We're good with the pictures with there. Um, so you guys rig up the, ah, steel,  
509 ([REDACTED]) welds it on, puts the - you guys put the chains on, get that all tightened  
510 down, who's giving the orders to do all this work?

511

512 A: Um, at that time I was taking all direction from ([REDACTED]).

513

514 Q: Okay so he's - he's in command of the system, he's, ah - ah, telling you what  
515 just - should happen.

516

517 A: He's my - he's my direct.

518

519 Q: He's your direct port yeah exact - or vice versa right, right. Ah, on this - you  
520 obviously has some sort of catastrophic failure to have the north end all break  
521 loose at one time or another. Obviously it's probably a domino effect, one  
522 goes, then the next one will go and they're gonna keep, you know, 'cause it's  
523 more strain on all the others?

524

525 A: Likely.

526

527 Q: Right. Yeah so in your opinion being the professional you are, what was the  
528 cause of that?

529

530 A: Ah, I - I don't...

531

532 Q: You don't have any idea?

533

534 A: No.

535

536 Q: Okay.

537

538 A: Ah, I mean - I don't know, I can't speculate, I wasn't there when it happened,  
539 I'm not a...

540



541 Q: Right.  
542  
543 A: ...you know - or even a structural engineer...  
544  
545 Q: Sure.  
546  
547 A: ...um, so.  
548  
549 Q: In your opinion what was the conditions of your net clinging on Pen 2 at that  
550 point?  
551  
552 A: Um - ah, Pen 2 - Site 2...  
553  
554 Q: Yeah.  
555  
556 A: ...was, um - ah, considerably fouled...  
557  
558 Q: Okay.  
559  
560 A: ...and behind schedule.  
561  
562 Q: Okay so let's say, ah, let's give it a scale of one to ten, what's your thoughts,  
563 ah, one being brand new net, ten being completely plugged?  
564  
565 A: It was probably a - ah, an eight (unintelligible).  
566  
567 Q: Okay. All right and what was the reason behind the net end being so plugged  
568 up - or bio foul is the way I should say it?  
569  
570 A: Correct, um, we were, ah, behind schedule, um, due to lack of - lack of net  
571 washing units...  
572  
573 Q: Okay.  
574  
575 A: ...um, we had finished - we had washed the second ones...  
576  
577 Q: Sure.  
578  
579 A: ...nets clean, we had just finished Site 3, and were preparing to get on Site 2.  
580  
581 Q: Okay. So when - let's say this, ah - you have net end two, ah, and you're  
582 having issues with the machines as you said, and then you were just finishing  
583 three correct?  
584  
585 A: I believe so yes.

586  
587 Q: Okay. And you're gonna move to two, when was the last time two got a  
588 thorough cleaning prior to that?  
589  
590 A: Ah, I don't know.  
591  
592 Q: Okay would it be, ah, two weeks, would it be a month?  
593  
594  
595 A: It would've been, ah - it would've been more than a month.  
596  
597 Q: More than month?  
598  
599 A: Yeah.  
600  
601 Q: Okay. We talking two, four...  
602  
603 A: Um...  
604  
605 Q: ...and I'm not holding you to exact, but just a...  
606  
607 A: Yeah...  
608  
609 Q: ...thought?  
610  
611 A: ...it - it would've been - it would've been two...  
612  
613 Q: Two months?  
614  
615 A: ...three months maybe...  
616  
617 Q: Okay.  
618  
619 A: ...ah, I cannot speak to (unintelligible).  
620  
621 Q: I understand, I'm not gonna hold you to exact numbers, just a thought on what  
622 - what you think it would be. Um, let me ask you something about nets 'cause  
623 I don't know a lot about - well obviously aquaculture, I'm a - ah, I'm a cop,  
624 what do you - I - I know that you can take those nets out and leave the fish in  
625 there, replace 'em, do all that stuff, ah, how long does it take - let's say we  
626 just had, ah - just Site 2 if you were to take those, ah, net ends out and put in  
627 fresh net ends, how long does that take for the entire site of Site #2?  
628  
629 A: Um, depending on conditions...  
630

631 Q: Sure let's say hypothetically good conditions...  
632  
633 A: Hypothetically...  
634  
635 Q: ...nice summer day?  
636  
637 A: ...good conditions...  
638  
639 Q: Yeah.  
640  
641 A: ...(unintelligible) tides, we can do, um, safely, um, three nets a day...  
642  
643 Q: Okay.  
644  
645 A: ...and that's a long day sun to sundown.  
646  
647 Q: Sure. Okay. So it - is - how's that work do you, ah - do you hook the new net  
648 to the old one and just pull it through like a shoe - shoestring or something?  
649  
650 A: So, um, just got here, assisting them...  
651  
652 Q: Yup  
653  
654 A: ...the net sits in place, um, divers have to release all the control lines...  
655  
656 Q: Okay.  
657  
658 A: ...um, 'cause there are lines that run through the reams to the weight system,  
659 up to the surface...  
660  
661 Q: Sure.  
662  
663 A: ...ah, so we got until the service can manually, ah, handle those nets. So a  
664 diver has to release all of those lines, ah, in good current because at that point  
665 the nets off, has no...  
666  
667 Q: Nothing holding it...  
668  
669 A: ...it's contract...  
670  
671 Q: ...together yeah.  
672  
673 A: ...with the weight system, once those are all released, um, the other net which  
674 has been set up, ah - it's been set up and stretched out on the outside of the  
675 system, um, so it's, ah - of course it's kind of difficult to describe, but imagine



676 you have your square net and you grab two corners and pinch it together...

677

678 Q: Yeah.

679

680 A: ...right, you set that net, you know, on the outside, you hold the two corners  
681 back, you drop the other ones down and you have control lines that are tied to  
682 those and the divers follow them down to rings where the divers then cut those  
683 rings, and we have, ah, mechanical, ah, magnets pulling - so we have power  
684 pullage on the surface that are holding those things over. So, um, I guess, ah,  
685 in a nutshell, ah, we leave the one net in place, we drop the other net in and  
686 pull one side over and under it like a sock...

687

688 Q: Yup.

689

690 A: ...comes up. Once it comes up we then remove the other net, ah - the interior  
691 net, um, we remove that net via a ring in the center floor. So we use a crane to  
692 pull that up and it basically just dumps the fish...

693

694 Q: Sure.

695

696 A: ...out and pulls it out...

697

698 Q: Doesn't hurt the fish though?

699

700 A: ...if that makes sense. Ah, no...

701

702 Q: Okay.

703

704 A: ...um, no.

705

706 Q: So, ah, how many net ends were in two - about how many pads were in  
707 number two total?

708

709 A: It's ten - ten cages.

710

711 Q: Ten cages? So it would take three and a half days, sun to sundown to replace  
712 the nets?

713

714 A: Um, if everything went perfectly...

715

716 Q: Yeah let's see.

717

718 A: ...and...

719

720 Q: Hypothetically...



721  
722 A: ...hypothetically if we ran into no issues which never happen.  
723  
724 Q: I understand 'cause ([REDACTED])'s not an easy place to work I understand  
725 that.  
726  
727 A: Right.  
728  
729 Q: Was there ever any discussion after the initial problem with, ah - in July of  
730 replacing the net ends because they were so foul?  
731  
732 A: Swapping the nets?  
733  
734 Q: Yeah swapping the net?  
735  
736 A: Um, I believe it was brought up, ah, but it wasn't anything that was followed  
737 up.  
738  
739 Q: Who brought that up do you know?  
740  
741 A: Um, I don't recall.  
742  
743 Q: Okay.  
744  
745 A: Um...  
746  
747 Q: Do you know who shot it down as an idea?  
748  
749 A: I don't recall who shot it down.  
750  
751 Q: Okay. All right. But you know that it was somebody you said along the way  
752 somewhere, and we thought about removing the old nets?  
753  
754  
755 A: Ah, it was - it was a topic that was brought up yeah.  
756  
757 Q: Okay. Now is there - is there anybody - other managers there other than  
758 (Ennis) or is he just the buck stops here guy?  
759  
760 A: Um, so as far as my capacity he was the buck stops here guy...  
761  
762 Q: Right.  
763  
764 A: ...my direct boss, um, but there were other facility managers that came and  
765 assisted us, um, there were also some, ah, visitors from our, ah - the Canadian

766 Group...

767

768 Q: Okay.

769

770 A: ...um, so from, ah, the east coast of Canada.

771

772 Q: Did they just happen to be there or did they come down for this?

773

774

775 A: The - the - there were a couple of guys that I think just happen to be here  
776 during the July event...

777

778 Q: Okay.

779

780 A: ...um, for speed events or something else - just happen to be here and were  
781 able to, um, come out and, um, I don't know what the best was, but they  
782 were....

783

784 Q: Sure were they sustained?

785

786 A: ...on site. Um, they were...

787

788 Q: Okay.

789

790 A: ...yeah they were on site.

791

792 Q: Were they, ah, guys like you and me that would be pulling chains or were they  
793 guys just giving orders or...

794

795 A: Um, I - I don't know their capacity...

796

797 Q: Okay.

798

799 A: ...but they weren't, ah...

800

801 Q: Did you see 'em doing that stuff?

802

803 A: Um, they were - they were - they were around...

804

805 Q: Okay.

806

807 A: ...and being helpful yeah...

808

809 Q: Okay.

810

811 A: ...and helping in - in whatever capacity they could.  
812  
813 Q: Okay. Ah, so then July ends obviously and you guys get everything stabilized  
814 again, what is your opinion of the structure at that point? Do you feel that it's  
815 stabilized, that it's safe after it's had the chains put on it and re-anchored?  
816  
817 A: Um, I feel - I felt, ah, that it was - that it's structure was compromised...  
818  
819 Q: Okay.  
820  
821 A: ...um - ah, felt that the structure was compromised just based on - on the  
822 situation, and the (unintelligible), ah, had to be completed, um - ah, again  
823 however I was directed to assume operations.  
824  
825 Q: So did you - what was your opinion on that ten one?  
826  
827 A: Um - ah, nothing.  
828  
829 Q: Okay.  
830  
831 A: Not documented...  
832  
833 Q: No I understand...  
834  
835 A: ...and - and, you know, I'm sure...  
836  
837 Q: But...  
838  
839 A: ...(unintelligible).  
840  
841 Q: ...did - did you mention it to maybe Mr. [REDACTED] or someone else?  
842  
843 A: Um - ah, I don't recall - I don't recall bringing it up to Mr. [REDACTED], um, that I  
844 was concerned.  
845  
846 Q: Okay. That's fine, eh, you might not have, you know, and I don't always talk  
847 back to my boss either I understand.  
848  
849 A: I was following orders.  
850  
851 Q: No I understand those - I'm a chain of command guy myself, I know what you  
852 mean. So before we move on to between July and August, you mentioned that  
853 these were tides that were, ah - ah, there's two types of things here. There's  
854 current as you know which is flow and then there's level which is the tide  
855 going up and down, you know, in that kind of water, you know, with the



856 depth, ah, are you referring to swift current, or are you speaking of high tide  
857 or low tide for that matter?  
858  
859 A: Um, current speed.  
860  
861 Q: Current speed okay. So water was moving through there fairly quickly?  
862  
863 A: Considerably.  
864  
865 Q: Have you ever seen it do that before at Cypress?  
866  
867 A: Um, yes.  
868  
869 Q: Okay how often would you say in a year you have that kind of current to  
870 through?  
871  
872 A: Um, there are - ah, throughout the year there are a couple episodes of extreme  
873 tides...  
874  
875 Q: Okay.  
876  
877 A: ...um, and of course height - the actual water exchange correlates with - to  
878 some degree with the speed...  
879  
880 Q: Absolutely.  
881  
882 A: ...of - of the current...  
883  
884 Q: Absolutely yeah.  
885  
886 A: ...so our - our larger tides, um, usually resulted in more of a stronger surge or  
887 stronger, ah, current speed. Um, so there were multiple times throughout the  
888 year that we dealt, ah, very (unintelligible) currents. Um, at the same time, ah,  
889 Cypress Island itself, ah, in that location - Deep Water Bay is, ah, very  
890 difficult based on - on - based on the way it sits and the, ah - the - the bottom  
891 and just, ah - based on Deep Water Bay itself, and the way that it's kind of  
892 structured, it's - it's a difficult site, ah, as far as currents go.  
893  
894 Q: Okay. So two to three times a year you have these kind of tides come through  
895 there, or - and with the current and all that roughly? We're not gonna hold -  
896 it's not exact science I know, but so this - and has - has this happened the  
897 entire time you've been there?  
898  
899 A: Yes.  
900



901 Q: Okay so you've - you've become accustomed to this kind of material - or  
902 material - ah - ah, situation?  
903  
904 A: That's correct.  
905  
906 Q: Okay. So is there someone specifically that is in charge of looking at the tides,  
907 ah - and - to predict the tides, you know, like my folks live on the water and I  
908 - they have chide - tide chart so we know roughly when low tide is, you know,  
909 it's...  
910  
911 A: Right.  
912  
913 Q: ...fairly accurate, is there someone in the agency - not agency in the company  
914 or there that is responsible that says hey on July 15th we're gonna have, ah, a  
915 really low tide or we're gonna have a really fast moving tide, is there  
916 somebody like that warns you about that stuff?  
917  
918 A: Um, as a group in general, ah, we all - and by we, um, facility managers, the  
919 general manager, etc., um, monitor the tides...  
920  
921 Q: Okay.  
922  
923 A: ...um, and we're aware.  
924  
925 Q: Is there kinds of precautions you take, ah, on - on a whole, ah, situation or a  
926 site like that when you know you're gonna have some excessive tides? Is there  
927 anything you can do physically to assist this system?  
928  
929 A: Um, ah, the visual inspections...  
930  
931 Q: Okay.  
932  
933 A: ...to make sure that, ah, nothings could be missed...  
934  
935 Q: Sure.  
936  
937 A: ...um, and then, ah - um, in the event of strong tides like that, you could do  
938 your best to - ah, we do our best to insure that, ah, the net walls that will be in  
939 with the current was (unintelligible) as possible.  
940  
941 Q: Right 'cause what - what is happening if the net walls are not more open, ah -  
942 ah, I mean the net meshing is not open, what - obviously flow is not going  
943 through...  
944  
945 A: It - it increases the drag.

946  
947 Q: In dragging the water - okay.  
948  
949 A: Right.  
950  
951 Q: All right. So, ah, in this particular time and this is gonna sound blaming and I  
952 don't want it to sound like that, but it's July, you're aware - were you aware  
953 that there was a big tide coming?  
954  
955  
956 A: Yes.  
957  
958 Q: Okay. And you know that the cleaning is substandard as we've talked about  
959 and pretty excessive bio fouling, was there ever any concern from you to  
960 upper management that says hey this is coming and I'm not ready, can you  
961 help us out here or anything like that that you're aware of?  
962  
963 A: Um, not that I'm aware of no.  
964  
965 Q: Was management aware of the situation of number two?  
966  
967 A: Ah, yes.  
968  
969 Q: The management above you?  
970  
971 A: Yes.  
972  
973 Q: So that'll be (Ennis Weir)?  
974  
975 A, Yes.  
976  
977 Q: What was his attitude, ah, the cleaning of the nets and, ah, as you said you  
978 were kind of backlogged because of equipment being down, and you're on  
979 number three and number two had not been cleaned for approximately two  
980 months, what was his attitude and instructions about that?  
981  
982 A: Um, I don't recall any particular, ah, directives other than, ah, you know,  
983 wash - get your nets washed as quick...  
984  
985 Q: Right.  
986  
987 A: ...as you can.  
988  
989 Q, But if you don't have the equipment to get this done or it's only moving at a  
990 snail's pace because of breakage and - and size, the edema as you said is much

991 - is what half the size would you say of the empty eye?  
992  
993  
994 A: Ah, it - approximately so like...  
995  
996 Q: Yeah.  
997  
998 A: ...less than half.  
999  
1000 Q: Okay so - it - that's obviously gonna cut your - double your time then, if you -  
1001 you're running only that, so there's no, ah, yeah I'm working on it, we're  
1002 getting you more equipment or anything like that, or is it just handle with -  
1003 with what you got?  
1004  
1005 A: Um, they - we were - they were working on getting our other MPI repaired...  
1006  
1007 Q: Okay.  
1008  
1009 A: ...um, but he had, ah - he acquired the steam washer, ah, from (Ortha Force),  
1010 ah, prior to that, um, so...  
1011  
1012 Q: Okay.  
1013  
1014 A: ...those - I know those steps were being taken.  
1015  
1016 Q: Okay. All right. Ah, let's see - and we talked about the, ah - the - end of July  
1017 the lines didn't break themselves, they just run through the, ah - ah, pad eyes  
1018 correct?  
1019  
1020 A: Correct.  
1021  
1022 Q: So the pad eyes actually stretch to the point where they broke?  
1023  
1024 A: Ah, they mostly did - mostly did (unintelligible).  
1025  
1026 Q: Yeah and - and then is the line just loose in the water there is that what's  
1027 happening...  
1028  
1029 A: Um...  
1030  
1031 Q: ...'cause I know it's not a straight shot from bottom to top, it's that kind of S  
1032 pattern almost?  
1033  
1034 A: It's a little bit of a scope...  
1035



1036 Q: Yeah.  
1037  
1038 A: ...um, some lines were loose in the water...  
1039  
1040 Q: Okay.  
1041  
1042 A: ...um, some, ah - some had - had sunk down to the sea floor...  
1043  
1044 Q: Sure.  
1045  
1046 A: ...given that they had a chain attached to them where they attach to the  
1047 system...  
1048  
1049 Q: Right.  
1050  
1051 A: ...so it's chained from the system line and then chained to the sea floor...  
1052  
1053 Q: Right.  
1054  
1055 A: ...so.  
1056  
1057 Q: Okay.  
1058  
1059 A: Ah, if - if the chain itself had come disconnected from the, ah - the site, ah,  
1060 likely that would result in that chain sinking or whatever.  
1061  
1062 Q: Bring the line with it - yeah. All right. When you put this off - this just popped  
1063 I my head - when you're putting all these back together, ah, after July, ah,  
1064 who is doing the tensioning on the lines to make sure that you're getting equal  
1065 tension amongst all the anchors?  
1066  
1067 A: Um, we were using our vessel to clamp it here...  
1068  
1069 Q: Okay.  
1070  
1071 A: ...as well as, ah, the LC - LCM which was a sport vessel that had come up  
1072 from Bainbridge to help us also (unintelligible). Um, and, ah, they -  
1073 (unintelligible), um, we were, um, just tensioning them to the vessel  
1074 (unintelligible).  
1075  
1076 Q: Okay and - but I don't know anything about it, but when you're tensioning  
1077 them, is this like a, ah - a screw jack where you just tighten things down and  
1078 the - the - the cable becomes taut, or is it just you pull it until it becomes taut,  
1079 how does it work, how do you know when you're getting tension on it?  
1080

1081  
1082 A: Um, you would try to, ah - you try to get it on the right tides...  
1083  
1084 Q: Okay.  
1085  
1086 A: ...um, and then we'd also try and mimic the (unintelligible) of the joint  
1087 anchors.  
1088  
1089 Q: Okay.  
1090  
1091 A: Um, so the process was to get a line, um, the process would be most of the  
1092 time - would be to take the line and pull it, ah, so you've got chain coming  
1093 from the system, you got your line coming through a thimble...  
1094  
1095 Q: Yup.  
1096  
1097 A: ...you pull that line until you get a tension 'til where you think, ah, it's  
1098 appropriate - to where one thinks it's appropriate...  
1099  
1100 Q: Right.  
1101  
1102 A: ...um, tie that off, tie a knot there, secure it and then let it go and you move  
1103 down the line.  
1104  
1105 Q: Got it okay. So just progression across the - the front, you just get 'em all  
1106 down?  
1107  
1108 A: Yup.  
1109  
1110 Q: And then do you go back and tension up the ones that were down before, or is  
1111 that good - one time is good?  
1112  
1113 A: Ah, the - the anchors were revisited depending on how they looked once they  
1114 loaded up of course.  
1115  
1116 Q: Was there a - a person on the deck itself that's expert in that kind of stuff that  
1117 was giving directions and saying okay we need to tighten up number two, but  
1118 number eight looks great?  
1119  
1120 A: Um, there were - there were people giving those directions...  
1121  
1122 Q: Was it...  
1123  
1124 A: ...the def- ah, can't speak to the definition of expert...  
1125

1126 Q: Sure.  
1127  
1128 A: ...experience.  
1129  
1130 Q: Who - who was the people that were doing that?  
1131  
1132 A: Ah - ah, there were multiple people, ah, assisting with that, um, it's weird...  
1133  
1134 Q: Okay.  
1135  
1136 A: ...(Glen)'s calling us the shots there, um - ah, ([REDACTED]), ([REDACTED]) as  
1137 well were on site.  
1138  
1139 Q: Those guys are from other areas?  
1140  
1141 A: Correct.  
1142  
1143 Q: Yeah.  
1144  
1145 A: Um, they've got, ah, substantially, ah, more experience than I have, um, in the  
1146 - in - in that - that aspect, um, so they were also assisting.  
1147  
1148 Q: So this is a hypothetical and you might not have an answer but I'm asking  
1149 anyway, you have this incident in July, clearly thing are in your opinion not as  
1150 structurally sound as they once were, ah, you have 300,000 fish in there, why  
1151 weren't they harvested in July...  
1152  
1153 A: I...  
1154  
1155 Q: ...is there a reason?  
1156  
1157 A: ...I don't know.  
1158  
1159 Q: Okay then let me ask you this, beings you been in the net pen business for a  
1160 while, if you fish in July that scheduled to be harvested in September roughly,  
1161 is there a lot of growth between those two months that...  
1162  
1163 A: Um, a lot...  
1164  
1165 Q: Okay.  
1166  
1167 A: ...ah - ah, you know, without, um - um, without the information in front of me  
1168 I can't tell you...  
1169  
1170 Q: Sure.



1171  
1172 A: ...the exact weight that would be gained, um, however, ah, just a couple  
1173 months period - just a couple months' time would not result in, ah, massive  
1174 gain of growth.  
1175  
1176 Q: Right, right. Could it - could've - ah, in your opinion - professional opinion  
1177 could - the fish have been harvested in July and they still would've been  
1178 healthy and good enough for market?  
1179  
1180 A: Yes.  
1181  
1182 Q: Okay. Was there any discussion of that being done...  
1183  
1184 A: Um...  
1185  
1186 Q: ...that you know of anyway?  
1187  
1188 A: ...ah, it was - it was, ah, brought up and discussed, um, and, ah, again the farm  
1189 itself was deemed safe for operation.  
1190  
1191 Q: Okay.  
1192  
1193 A: My direct at that point was to...  
1194  
1195 Q: Sure.  
1196  
1197 A: ...to (unintelligible).  
1198  
1199 Q: Sure, sure. Were you part of the discussions, 'cause obviously when  
1200 something like this goes haywire, there are certain protocols that have to be  
1201 done including notifying that State of Washington, ah, and several different  
1202 agencies that are involved 'cause I looked at the amount of permits for these  
1203 kind of things and there's a lot of permits for this stuff.  
1204  
1205 A: Yeah.  
1206  
1207 Q: Were you part of the discussions on what was - people were gonna be told  
1208 about what happened?  
1209  
1210 A: I was not.  
1211  
1212 Q: Okay. Did you over hear the conversations about...  
1213  
1214 A: About...  
1215

1216 Q: ...what was...  
1217  
1218 A: ...about how to respond...  
1219  
1220 Q: Yes.  
1221  
1222 A: ...and what to report?  
1223  
1224 Q: Yes.  
1225  
1226 A: Um - ah, no.  
1227  
1228 Q: Okay. Never heard anybody talking about that or...  
1229  
1230 A: Um, sounds kind of, ah - I'm sorry that seems a little vague.  
1231  
1232 Q: Sure let's do it like, eh, obviously they're gonna report something to the State  
1233 of Washington...  
1234  
1235 A: Of course.  
1236  
1237 Q: ...and just - let's just say the state as a whole...  
1238  
1239 A: Of course.  
1240  
1241 Q: ...they're gonna report something, you were not part of those conversations of  
1242 we should tell them this happened or we tell 'em that happened?  
1243  
1244  
1245 A: On no.  
1246  
1247 Q: You weren't part of that?  
1248  
1249 A: I was not.  
1250  
1251 Q: Did you hear anything about that?  
1252  
1253  
1254 A: Um, no.  
1255  
1256 Q: Okay. Let's talk about [REDACTED], um, obviously he was your direct  
1257 supervisor at that time of this incident, how [REDACTED] to work for?  
1258  
1259 A: Um - ah, myself?  
1260

1261  
1262 Q: Yeah.  
1263  
1264 A: Personally I did not have a very good relationship with ([REDACTED])...  
1265  
1266 Q: Okay.  
1267  
1268 A: ...um, I had actually been looking for employment elsewhere, um, for, um,  
1269 sometime...  
1270  
1271 Q: Okay.  
1272  
1273 A: ...(unintelligible) ah - ah, well the (unintelligible) I been semi-actively looking  
1274 for employment simply because, ah, I did not have a good relationship with  
1275 (Ennis), um, I know other - other people seem to get along with him.  
1276  
1277 Q: Was it a personal issue or was it a business issue or - can you give me some  
1278 description?  
1279  
1280 A: Um, it was, ah - I did not respond well nor did I, ah, respect his personal  
1281 management style.  
1282  
1283 Q: Okay. Was he hardcore or...  
1284  
1285 A: Ah, he's pretty hardcore guy.  
1286  
1287 Q: And hard on people?  
1288  
1289 A: Um, from what I have seen yes.  
1290  
1291 Q: Okay. And in your opinion when - in July this incident occurs, how do you  
1292 think his management went - did he know what he was doing?  
1293  
1294 A: Um, I can't speculate on that...  
1295  
1296 Q: Okay.  
1297  
1298 A: ...he - he - he responded and - and took lead...  
1299  
1300 Q: Okay...  
1301  
1302 A: ...so.  
1303  
1304 Q: But were - were the decisions he was making, do you think in your opinion  
1305 after being out there for 10 years whatever it is 12 years, were they sound



1306 decisions?  
1307  
1308  
1309 A: Um, regarding responding to the...  
1310  
1311 Q: The incident itself yeah.  
1312  
1313 A: ...incident - um - ah, ([REDACTED]) had, ah - ah, substantially more experience  
1314 than I did on aquaculture in the real world, um, so, ah, I would have to say  
1315 that he was basing decisions on experience.  
1316  
1317 Q: Okay. Was any panic or any...  
1318  
1319 A: Ah - um, it was a pretty dynamic event initially...  
1320  
1321 Q: Sure.  
1322  
1323 A: ...so of course everybody was, you know, it was...  
1324  
1325 Q: Well there's gonna be some chicken with the head cut off.  
1326  
1327 A: ...kind of whirl winds...  
1328  
1329 Q: Yeah.  
1330  
1331 A: ...for a while, um - ah, I think, ah, with everybody of course...  
1332  
1333 Q: Sure.  
1334  
1335 A: ...um, but, um - um, as I said he - he took lead at that one...  
1336  
1337 Q: Okay.  
1338  
1339 A: ...and, ah, gave orders.  
1340  
1341 Q: Ah, when you were in charge of course of the whole system doing your - your  
1342 own stuff, was he a hands off guy or was he a micro manager, was he in  
1343 between?  
1344  
1345 A: Um,  
1346  
1347 Q: What would you call it?  
1348  
1349 A: ...he was - I, um, probably in between...  
1350

1351 Q: Okay.  
1352  
1353 A: ...you know, um - ah, he would, ah, require frequent communication...  
1354  
1355 Q: Okay.  
1356  
1357 A: ...um, was not, um, wasn't like at the farm every other day or anything...  
1358  
1359 Q: Okay.  
1360  
1361 A: ...um, you know, but there was, ah, definitely required at least with  
1362 communication.  
1363  
1364 Q: Was he aware of the, ah - ah, problem I'll say with the net cleaning, um, on  
1365 site number two at the time of the July incident?  
1366  
1367 A: Um, I would have to think he was.  
1368  
1369 Q: Okay. Did you communicate to him at any point that this is a problem - we're  
1370 having problems?  
1371  
1372 A: Um - ah, definitely the issues with our net washers being down.  
1373  
1374 Q: 'Cause I've seen - I've seen your weekly reports and I noticed in the part  
1375 where you can type, that it says multiple occasions, multiple weeks in a row,  
1376 this machine's down, this machine's down...  
1377  
1378 A: Right.  
1379  
1380 Q: ...this machine's not working, but this machine's down...  
1381  
1382 A: Right.  
1383  
1384 Q: ...and I don't have it with me, but is that the way you were communicating, is  
1385 that something he reviews?  
1386  
1387 A: Ah, yes...  
1388  
1389 Q: Okay.  
1390  
1391 A: ...they're officially directed to him, um - ah, as well as likely, ah, retrieved, ah,  
1392 I'm sure they're retrieved text messages and emails between himself, ( [REDACTED] ) or  
1393 - or with those parties included...  
1394  
1395 Q: Okay.

1396  
1397 A: ...um, you know, ah, briefing everyone.  
1398  
1399 Q: Were you telling him what's going on and what's happening?  
1400  
1401  
1402 A: This my MPS still down...  
1403  
1404 Q: Right.  
1405  
1406 A: ...um, you know, can you get up you - there's definitely some communication.  
1407  
1408 Q: Okay. So let's talk about after July. July occurs you guys get the set - the pen  
1409 set back up and everything's as good as it's gonna get at that point...  
1410  
1411 A: Mm-hm.  
1412  
1413 Q: ...what is done between then and let's say 27th, 28th, when you have it back  
1414 on line, things were going again, and the roughly 19th of August? So you got  
1415 roughly just under a month there, what were you guys doing on that - ends  
1416 themselves at that point?  
1417  
1418 A: Um, once the - once the site was, ah, as we stated earlier the chains were  
1419 installed and some backup safety - safety chains were installed, ah, at that  
1420 point in, ah - so during the - during the July - ah, right after the July incident  
1421 happened into the - the, ah, subsequent days while we were trying to get it  
1422 secured, um, we were washing on site too.  
1423  
1424 Q: Okay.  
1425  
1426 A: So we brought all available net washers over and so there's staff washing  
1427 from sun up to sundown, washing nets, spreading out clear (unintelligible).  
1428 Um, so that was done until we make our way through every net wall, um, and  
1429 the (unintelligible) net. Ah, at that point, ah, the site had been secured - ah,  
1430 deemed secure and, ah, we then, ah, begin to (unintelligible) our other cages.  
1431  
1432 Q: Okay. Cages on other sites?  
1433  
1434 A: Cages on other sites.  
1435  
1436 Q: Got it. Okay so - so at that point, ah, let's say you got hypothetically  
1437 everything's secured on the 30th and I'm just saying hypothetically, how long  
1438 after the 30th did it take to clean all the nets and pen two?  
1439  
1440 A: Um, they were cleaned around that - that same time...



1441  
1442 Q: Okay so...  
1443  
1444 A: ...if while - while we were securing and once it was secured, we were still  
1445 installing chains and putting feed systems - ah, getting feed systems, so depth  
1446 and everything, all that while, ah, staff was washing.  
1447  
1448 Q: Okay. So while it's being secured you guys were cleaning it too?  
1449  
1450  
1451 A: Yes.  
1452  
1453 Q: Got it okay I understand.  
1454  
1455 A: Once we, ah - once we were able to - that's right around (unintelligible) first  
1456 responses was to get net washing units over to try and (unintelligible)  
1457  
1458 Q: Right because it's - clearly it's been dragging that's the reason things got  
1459 loose would you say?  
1460  
1461 A: Um, well I would say that, ah, clearly any - any - any reduction to the drag  
1462 would help...  
1463  
1464 Q: Okay.  
1465  
1466 A: ...so that was (unintelligible).  
1467  
1468 Q: Ah, how about the bottom of the net, did the bottom of the net get done?  
1469  
1470 A: Um, the bottom of those nets, ah, did not get washed.  
1471  
1472 Q: Okay. So, ah, just the - just the four corners of each cage, the walls - separate  
1473 walls?  
1474  
1475 A: The walls...  
1476  
1477 Q: Okay.  
1478  
1479 A: ...were.  
1480  
1481 Q: But not the bottoms?  
1482  
1483  
1484 A: No.  
1485

1486 Q: Okay. And what else did you guys have done? Did you get around to a second  
1487 time of cleaning that before?  
1488  
1489 A: Um, no I don't believe we did.  
1490  
1491 Q: Okay. Okay. Did you, ah, ask any of the divers what the bottom of the nets  
1492 looked like?  
1493  
1494 A: Um, they reported that they were fouled.  
1495  
1496 Q: They were fouled and did you report this upstairs?  
1497  
1498 A: Um, I did.  
1499  
1500 Q: To (Ennis)?  
1501  
1502 A: I believe so.  
1503  
1504 Q: And what was his response to the, ah - the bottom of the pen being...  
1505  
1506 A: Ah, I...  
1507  
1508 Q: ...dirtier...  
1509  
1510 A: ...don't...  
1511  
1512 Q: ...bio fouled?  
1513  
1514 A: ...I don't recall his response.  
1515  
1516 Q: Okay but you did make him aware of it that this is not being done. Was there a  
1517 reason the bottom wasn't done, it is just too much time?  
1518  
1519  
1520 A: We were addressing other - other cages as well...  
1521  
1522 Q: Okay.  
1523  
1524 A: ...getting ready at the same time.  
1525  
1526 Q: On - on the other sites?  
1527  
1528  
1529 A: Yes.  
1530

1531 Q: Okay - all right. So the priority was getting the walls, 'cause obviously flow is  
1532 coming through. Now on the bottom of the pen itself obviously the only way  
1533 you can - can you even get to the bottom of the pen, the - not - not the very  
1534 bottom, but the very underneath between it and the under net, can you get in  
1535 there at all?  
1536

1537 A: Um - ah, very difficult, very dangerous...

1538

1539 Q: Okay.

1540

1541 A: ...I would invest...

1542

1543 Q: Right.

1544

1545 A: ...ah, staff to - to diver (unintelligible).

1546

1547 Q: So is there ever a time that you remember that the bottom of that net - the  
1548 very, very bottom, not the predator net, but the very, very bottom of that was  
1549 ever cleaned?  
1550

1551 A: Um, no I - I don't think, actually washing the complete underside was not,  
1552 ah...

1553

1554 Q: Okay.

1555

1556 A: ...I imagine that (unintelligible).

1557

1558 Q: How - how about the - how about the predator net underneath there?

1559

1560 A: No.

1561

1562 Q: Okay - okay. Now the - outside the predator net would be a little easier  
1563 because you can do it from the outside of the cage and not - you know, you  
1564 wouldn't be trapped between the two nets obviously.  
1565

1566 A: Um, well there's a depth issue there.

1567

1568 Q: Oh is there?

1569

1570 A: Um, that being, ah, as far as...

1571

1572 Q: For a diver?

1573

1574

1575 A: ...for the divers yeah.



1576  
1577 Q: How - how deep are we talking about roughly?  
1578  
1579  
1580 A: Ah, approximately, um, 70 to 90 feet.  
1581  
1582 Q: Okay. And what's - I don't know anything about that, ah...  
1583  
1584 A: That's deep, um...  
1585  
1586 Q: That's 'cause they were deep...  
1587  
1588 A: Consider deep especially in scuba...  
1589  
1590 Q: Okay.  
1591  
1592 A: ...and that the, um - the - the setup we had - the ability we had to dive, um,  
1593 that was, ah - that was pretty restrictive at that point, um, time is - time is short  
1594 at that depth, so...  
1595  
1596 Q: Okay.  
1597  
1598 A: ...the effectiveness of - of...  
1599  
1600 Q: Understood.  
1601  
1602 A: ...it would be a nightmare.  
1603  
1604 Q: So you have your predator net around, you have your fish pen net around as  
1605 well, how far down do they go in the water, what's the depth on those?  
1606  
1607 A: Fish pens?  
1608  
1609  
1610 Q: Yeah.  
1611  
1612 A: Um, they were 15-meter deep nets, ah...  
1613  
1614 Q: Which is?  
1615  
1616 A: ...from approximately...  
1617  
1618 Q: Forty-five?  
1619  
1620 A: ...45 feet...

1621  
1622 Q: Yeah approximately...  
1623  
1624 A: ...approximately...  
1625  
1626 Q: ...sure.  
1627  
1628 A: ...um, so approximately 45 feet, the centers of the net, um, did have a little bit  
1629 of bag...  
1630  
1631 Q: Sure.  
1632  
1633 A: ...so at times, um, divers would run into a situation where they were down like  
1634 50 plus feet in the center...  
1635  
1636 Q: Yeah.  
1637  
1638 A: ...so.  
1639  
1640 Q: Okay. Ah, on the outside that predator net, how far does that predator net go  
1641 down?  
1642  
1643 A: Um, the weight system itself is hung at approximately 60 feet...  
1644  
1645 Q: Okay.  
1646  
1647 A: ...approximately 60 feet...  
1648  
1649 Q: Sure.  
1650  
1651 A: ...um, the webbing and the - the weight system - weight system, ah, mirrored  
1652 the walkways on the surface if you understand...  
1653  
1654 Q: Yeah.  
1655  
1656 A: ...what I'm saying. So there are, ah, walkways on the surface in a grid like  
1657 pattern, at 60 feet there were weighted casings hanging in that same fashion.  
1658 Um, those casing were hung at 60 feet, ah, webbing in between them, um,  
1659 based on if there was some growth on it or just slack for your tide, that  
1660 webbing would hang down, ah, a little bit lower than 60 feet.  
1661  
1662 Q: The, ah - were - was the MPI, the edema and the stingray able to reach the  
1663 very bottom of this - of the net ends? I mean not the - not the bottom, bottom,  
1664 but the - where the wall comes down and touches the bottom of the net, were  
1665 they able to clean all the way down there?

1666  
1667 A: Of the net ends?  
1668  
1669  
1670 Q: Yes.  
1671  
1672 A: Yes.  
1673  
1674 Q: Okay how about the predator net?  
1675  
1676 A: Um - ah, the stingray no, the edema and the MPI theoretically you could add  
1677 as much hose as you wanted to and extend them...  
1678  
1679 Q: Sure.  
1680  
1681 A: ...um, but after the transition from vertical to horizontal...  
1682  
1683 Q: Obviously yeah.  
1684  
1685 A: ...it - it's not effective...  
1686  
1687 Q: Right but...  
1688  
1689 A: ...it's not even designed to wash horizontally.  
1690  
1691 Q: Sure it has the capability of reaching the bottom of the pred net, do you know  
1692 if it ever reached it?  
1693  
1694 A: Ah, the predator?  
1695  
1696 Q: Yes.  
1697  
1698 A: Um, when we were washing the predator net, um, it would reach to the casing  
1699 depth.  
1700  
1701 Q: Which is?  
1702  
1703 A: Approximately 60 feet.  
1704  
1705 Q: Okay where it makes the curve?  
1706  
1707 A: Correct.  
1708  
1709 Q: Got it okay. So it would go down almost all the way without doing the bottom  
1710 obviously?



1711  
1712  
1713 A: Right.  
1714  
1715 Q: Got it okay. Ah, so let's talk the actual - I have some photos here of the net  
1716 pens - and obviously I'm showing this picture, ah, as it's taken by the State of  
1717 Washington, ah, do you know looking at that netting what that is?  
1718  
1719 A: Um, that looks like grow out net...  
1720  
1721 Q: Okay that looks like...  
1722  
1723 A: ...so the fish pen.  
1724  
1725 Q: Fish pen - got it. Okay is that the kind of growth you would expect to see...  
1726  
1727 A: Um...  
1728  
1729 Q: ...between July and August?  
1730  
1731 A: Ah, possibly.  
1732  
1733 Q: Okay.  
1734  
1735 A: It would likely vary depending on the location of the - where...  
1736  
1737 Q: Right.  
1738  
1739 A: ...those webbings go from.  
1740  
1741 Q: And the reason I ask that is because I - I talked to a scientist about this and she  
1742 says that muscles grow between six and eight months from, ah - to adult size  
1743 from zero to six or eight months depending on (unintelligible), and I - I talked  
1744 to her about this, and she was saying these are good size muscles obviously as  
1745 you can see from the picture, do you think that is an indication of being longer  
1746 than six or eight months by the size on this picture?  
1747  
1748 A: Um - ah, I don't think so I mean if - if - ah, if scientists stated that that's a  
1749 growth, then that's probably the case. Um, I know just from experience that  
1750 during the summer months, that's when the muscles came on...  
1751  
1752 Q: Absolutely.  
1753  
1754 A: ...and that's when they started to grow, and it happened pretty rapidly. So I,  
1755 um - the question is do I think those were there longer than six to eight

1756 months, um, I don't think so.  
1757  
1758 Q: Okay. So - but my - my question is and I'm not asking you to be a scientist by  
1759 any means, don't - don't get me wrong - but what I'm saying is you're - if I'm  
1760 making this right, you told me that the nets were cleaned in July so - at the end  
1761 of July - end of July after the incident...  
1762  
1763 A: Um, yes, ah, I will say - ah, I will say that, ah, based on the scale of say one to  
1764 ten...  
1765  
1766 Q: Sure.  
1767  
1768 A: ...when we wash them during the July event...  
1769  
1770 Q: Sure.  
1771  
1772 A: ...they did not go back to a zero.  
1773  
1774 Q: Okay where did they go then, that's a good - good point?  
1775  
1776 A: They were probably down to like four...  
1777  
1778 Q: Okay.  
1779  
1780 A: ...three or four...  
1781  
1782 Q: Okay.  
1783  
1784 A: ...um, definitely, ah, substantial reduction in fouling, but, ah, by no means  
1785 were they...  
1786  
1787 Q: That's fair.  
1788  
1789 A: ...you know...  
1790  
1791 Q: That's fair.  
1792  
1793 A: ...'cause some...  
1794  
1795 Q: Okay. These are just more of shots of the - the netting as you - ah, 'cause the  
1796 predator net is much smaller is it...  
1797  
1798 A: Ah...  
1799  
1800 Q: ...ah, on webbing?

1801  
1802 A: ...larger.  
1803  
1804 Q: Larger?  
1805  
1806 A: Yup.  
1807  
1808 Q: Ah, obviously...  
1809  
1810 A: The mesh setting is larger.  
1811  
1812 Q: ...'cause it's only holding back seals and sea lions and things...  
1813  
1814 A: Right.  
1815  
1816 Q: ...okay gotcha of course. Okay one was upside down so. Was that  
1817 (unintelligible)?  
1818  
1819 A: No.  
1820  
1821 Q: (Unintelligible). Then - then - this is obviously a net they're hauling out, these  
1822 are, ah - ah, muscles falling off there, ah, is - is this what you expected to see  
1823 if you saw this net, ah, this much material on it? These - this is the August  
1824 photos obviously...  
1825  
1826 A: Um...  
1827  
1828 Q: ...because they're taking the nets (unintelligible)  
1829  
1830 A: ...ah, nope they still appear fouled...  
1831  
1832 Q: Okay.  
1833  
1834 A: ...um, to a certain degree. Um...  
1835  
1836 Q: And, eh - roughly do you have an idea of the square footage? Like if we just  
1837 laid that right here on the ground for the rectangle, what's the square footage  
1838 roughly do you think?  
1839  
1840 A: Of the floor...  
1841  
1842 Q: Yeah.  
1843  
1844 A: ...or of the square footprint?  
1845



1846  
1847 Q: Yeah if you put all the cages into one net and you said okay this is our  
1848 rectangle?  
1849  
1850 A: Of the whole system?  
1851  
1852 Q: Yeah...  
1853  
1854 A: Oh, um...  
1855  
1856 Q: ...on site net two.  
1857  
1858 A: ...yeah the site two, um, can't - ah, I - I don't recall.  
1859  
1860 Q: What about just one - if we're just doing one...  
1861  
1862 A: One cage...  
1863  
1864 Q: ...one cage?  
1865  
1866 A: ...is, um, 24 meters square...  
1867  
1868 Q: Twenty-four meter square - okay.  
1869  
1870 A: ...approximately...  
1871  
1872 Q: Sure.  
1873  
1874 A: ...I think that works out to like 79 sub feet so, eh, and when we discuss it  
1875 generally we call 'em 80 feet wide - eight feet square...  
1876  
1877 Q: Right 80 foot square okay.  
1878  
1879 A: ...and then walkways between them were - ah, the perimeter walkways were a  
1880 little wider at I think 10 feet, ah, out rigor interior walkways were about seven  
1881 feet...  
1882  
1883 Q: Right.  
1884  
1885 A: ...so...  
1886  
1887 Q: Okay.  
1888  
1889 A: ...you could get a general idea.  
1890

1891 Q: Ah, this photo is the amount of muscles that are falling off there - they're  
1892 putting 'em in that, ah, bucket thing, dumping 'em into that...

1893  
1894 A: Mm-hm.

1895  
1896 Q: ...like you can see - I don't know if you've seen these before?

1897  
1898 A: I have.

1899  
1900 Q: Okay. The bobcats loading 'em up.

1901  
1902 A: Yup.

1903  
1904 Q: Now these nets here this looks like predator net to me correct?

1905  
1906 A: It does appear to be the pred net.

1907  
1908 Q: Okay and the pred net - and I took some pictures of it out at, ah, ([REDACTED])  
1909 and the pred net I saw had a lot of material...

1910  
1911 A: Mm-hm.

1912  
1913 Q: ...ah, so it - and it - it didn't look - I'm not scientist - but it didn't look like to  
1914 me that it was that clean at the time, ah, are you sure that it got that clean that  
1915 you would say it was a four?

1916  
1917 A: Um - ah, in that area.

1918  
1919 Q: Okay.

1920  
1921 A: It was - it was cleaned during that event and the amount of fouling was  
1922 reduced.

1923  
1924 Q: Okay. So let me ask you this, and when you're doing a - a cleaning - and just a  
1925 regular clean not this particular July one, but you're going along and you're  
1926 sending the MPI up and down, it's doing its thing, it's cleaning the nets, how  
1927 are you determining when it's clean?

1928  
1929 A: Um, well, ah, we would use, ah, the visual observation. Um, so if you could  
1930 see that from the surface if you could see fouling in front of the unit, and then  
1931 see it in the back...

1932  
1933  
1934 Q: Okay.

1935

1936 A: ...all right so if appeared cleaner as they're - as they're cleaning, um, based on  
1937 the divers' reports, um, and how heavily fouled one area or net wall was, we  
1938 may spend, um, and instruct the washer to spend more time on that wall.  
1939  
1940 Q: Sure.  
1941  
1942 A: Ah, more time being more passes in one place...  
1943  
1944 Q: Yeah.  
1945  
1946 A: ...um, if it did not appear that - that fouled, ah, then we, ah, limit the passes  
1947 (unintelligible).  
1948  
1949 Q: Is there a written report diver's do that they come up, they get done, fill out,  
1950 we saw cage 235 northeast and south were heavily fouled, do they write those  
1951 things down or how does it work?  
1952  
1953 A: Um - ah, any time the divers are in the cages, um, there's a field data sheets  
1954 listing mortality and, um, classification of mortality...  
1955  
1956 Q: Okay  
1957  
1958 A: ...um, those sheets would also be used to make random notes by the divers,  
1959 um, whatever they report to their tender, ah, there's also a DPIC sheet, ah,  
1960 which is a dive, ah - dive person (unintelligible) - it's our dive log, um, so  
1961 among various other, ah - among various other details of the dive, ah, there  
1962 was a section for comments. Um - ah, so that - that section was available...  
1963  
1964 Q: Okay.  
1965  
1966 A: ...if they felt they needed to make a comment.  
1967  
1968 Q: Right. If - if - as you're - let's say you're in charge of net pen two, when they  
1969 come up do they tell you hey 235 really needs a lot of work or 250 needs a lit-  
1970 tle work...  
1971  
1972 A: Um...  
1973  
1974 Q: ...or do they write it down and you wait and get the report later - how's it work  
1975 that way?  
1976  
1977 A: Ah, there were times when that conversation - ah, generally daily we'd have a  
1978 conversation about results...  
1979  
1980 Q: Okay.



1981  
1982 A: ...at times they would mention this, um, you know, this net's starting to get  
1983 heavy, this one is - this area needs to be hit..  
1984  
1985 Q: Gotcha.  
1986  
1987 A: ...(unintelligible).  
1988  
1989 Q: Okay - all right. Like do you ever remember reading it too in a - in a diver's...  
1990  
1991 A: Um...  
1992  
1993 Q: ...report or is it mostly verbal?  
1994  
1995 A: ...it - it was mostly verbal.  
1996  
1997 Q: Okay. Ah, (unintelligible) - I guess here can you determine what type of net  
1998 that is?  
1999  
2000  
2001 A: No that's like a - a grown out net - so an actual rearing net...  
2002  
2003 Q: Okay.  
2004  
2005 A: ...for fishing.  
2006  
2007 Q: Okay. Ah, let's see here (unintelligible). Then I have some - some documents  
2008 that you, ah, taken part - ah, part in I should say - so this is an email from, ah -  
2009 I'm reading, ah, 4253 - 0004253 and it's Ju- July of 2016...  
2010  
2011 A: Okay.  
2012  
2013 Q: ...and in it - in here that email if you wanna take a look at it, but...  
2014  
2015 A: This is?  
2016  
2017 Q: 2016.  
2018  
2019 A: 2016?  
2020  
2021 Q: Yeah.  
2022  
2023 A: Okay.  
2024  
2025 Q: So you guys are doing the nets swaps obviously...

2026  
2027 A: Right.  
2028  
2029 Q: ...at that point...  
2030  
2031 A: Yup.  
2032  
2033 Q: ...and then...  
2034  
2035 A: Okay yup.  
2036  
2037 Q: ...does that sound - make you, ah, trying to say, ah, side two it says as it is in  
2038 the most critical condition, are you talking about at that point, ah, that the nets  
2039 are fouled?  
2040  
2041 A: (Unintelligible). Um, I don't believe I'm re- no I - I don't - that's a long time  
2042 ago...  
2043  
2044 Q: Sure.  
2045  
2046 A: ...I don't recall, ah, exactly, ah, given the date, ah, and that we had received  
2047 fish just a few months prior in the clean nets, um, that's likely, ah, relating to,  
2048 um, a fish condition itself.  
2049  
2050 Q: Oh okay itself.  
2051  
2052 A: That would be my, ah - be my guess.  
2053  
2054 Q: It says here as for net swaps which would densities - I'm sorry - densities not  
2055 an issue and mortality low on site three, I would like to swap site two first as it  
2056 is in the most critical condition. My only concern is fish size and if there  
2057 (unintelligible) to handle the swap...  
2058  
2059 A: Mm-hm.  
2060  
2061 Q: ...is that what you mean by critical?  
2062  
2063 A: Um, yes.  
2064  
2065 Q: Okay, okay. You work with a gentleman named ([REDACTED]) is that  
2066 correct?  
2067  
2068 A: I do yes.  
2069  
2070 Q: Ah...

2071  
2072 A: Yeah.  
2073  
2074 Q: ...right at the time, ah, he was raft supervisor for number two is that correct?  
2075  
2076 A: That's correct yes.  
2077  
2078 Q: Okay so in his capacity was he in charge of cleaning nets?  
2079  
2080 A: Um, he was in charge of monitoring cleaning...  
2081  
2082 Q: Okay.  
2083  
2084 A: ...ah, monitoring the staff, ah, the raft supervisor's capacity is mainly to  
2085 monitor the daily activities, ah, take directives from the facility manager...  
2086  
2087 Q: Sure.  
2088  
2089 A: ...um, and - and make sure that operations, um, proceed.  
2090  
2091 Q: Right because I see - I, ah, found the, ah - obviously the net management  
2092 section, this is his job description and on this, ah, I'm on 002493 - if you just  
2093 wanna take a look at that real quick that page.  
2094  
2095 A: Um, I'm familiar with this page yes.  
2096  
2097 Q: Okay. And can you give me just - you don't have read every word for it, but  
2098 like an outline of what that means to you?  
2099  
2100 A: Um, it means, ah, being aware of and stressing the importance of net  
2101 cleanliness.  
2102  
2103 Q: Right and I've - I've seen your, ah - not your but the - seem to me there's a  
2104 monthly meeting where everybody gets - all the managers get together...  
2105  
2106 A: That's correct.  
2107  
2108 Q: ...and talk about - was net hygiene as, ah - spoke about as much as I see it in  
2109 those monthly reports?  
2110  
2111 A: Um, that - that was.  
2112  
2113 Q: Was it, ah - like would you call it a - a point of emphasis?  
2114  
2115 A: Uh-huh.



2116  
2117 Q: Okay. Now forgive me if this sounds weird, but if the management above you  
2118 is saying keep your nets clean, but they don't have - they're not giving you the  
2119 equipment or fixing the equipment to get clean, are you throwing your hands  
2120 up in the area and telling 'em I'm going as fast as I can or, ah, is it even  
2121 registering upstairs that this is not happening as quickly as it should?  
2122  
2123 A: Um, I don't know...  
2124  
2125 Q: Okay.  
2126  
2127 A: ...what's registering upstairs...  
2128  
2129 Q: Sure.  
2130  
2131 A: ...ah, I know that, ah, at that point, um, it was likely stated and we were doing  
2132 what we could with what we had.  
2133  
2134 Q: Sure. Were you the only person that having that pen cleaning problems?  
2135  
2136 A: No.  
2137  
2138 Q: Okay. Were there other managers, ah - fac- facility managers such as yourself  
2139 that were saying the same sort of things...  
2140  
2141 A: Ah...  
2142  
2143 Q: ...upstairs?  
2144  
2145  
2146 A: ...I know the issues regarding, ah, net ma- net cleaners themselves and issues  
2147 of down time was...  
2148  
2149 Q: Yeah.  
2150  
2151 A: ...ah - um, not unique to Cypress.  
2152  
2153 Q: Okay. Were there any other facilities that had a similar issue as  
2154 (unintelligible) two?  
2155  
2156 A: Um, as far as?  
2157  
2158 Q: Breaking loose.  
2159  
2160 A: Oh, um, I believe Bainbridge Islands, ah, prior to the July incident had, ah,

2161 some large issues...

2162

2163 Q: Okay.

2164

2165 A: ...um, I don't recall it being, ah, anywhere near as severe as site two.

2166

2167 Q: Was that Clam Bay?

2168

2169 A: I think so yup.

2170

2171 Q: Ah, do you remember a rough timeframe when that happened?

2172

2173 A: I don't.

2174

2175 Q: Okay. But you know that Clam Bay had similar issues, maybe not as  
2176 extensive, but had some issues. Was there - ah, go head.

2177

2178 A: I know there had been a (unintelligible) failure...

2179

2180 Q: Okay.

2181

2182 A: ...ah, I don't recall, um - and that was not included in, ah, any, ah - any results  
2183 or any, um - any explanation of why...

2184

2185 Q: Okay.

2186

2187 A: ...ah, I don't recall exactly what that was.

2188

2189 Q: And who was the, ah - the manager of I guess that's Bainbridge then - who's  
2190 the manager like in your position there, who was that at the time?

2191

2192 A: Um, I - ah, there had been, ah - ah, a bit of - fair amount of - a substantial  
2193 amount of turnover...

2194

2195 Q: Okay.

2196

2197 A: ...at the Bainbridge farm, um, so I think at that time, ah, ([REDACTED]) had  
2198 maybe been put in position...

2199

2200 Q: Okay.

2201

2202 A: ...at that point, and, um, ([REDACTED]) possibly, but - again I can't recall  
2203 when they were put in that position...

2204

2205 Q: No I understand that.

2206  
2207 A: ...um...  
2208  
2209 Q: Sure. But there was some turnover at the time?  
2210  
2211  
2212 A: Ah, there was some turnover for a few years there...  
2213  
2214 Q: Okay.  
2215  
2216 A: ...finding a good manager that was a good fit, ah - um...  
2217  
2218 Q: Okay. Thank you.  
2219  
2220 A: Yes.  
2221  
2222 Q: Is that all you know about Clam Bay? Okay. Um, let's see we're gonna look  
2223 at, ah, 24092 here and this is from May of 2017. So this is a month before the  
2224 - yeah - or two months excuse me - before the July incident, rough - yeah  
2225 almost to the date, um, and the net at - at that time was, ah, dirtier than - than  
2226 two and one is that correct...  
2227  
2228 A: Um - ah, just...  
2229  
2230 Q: ...according to this?  
2231  
2232 A: According to that yup.  
2233  
2234 Q: Okay. So - and as you stated earlier - this kind of backs up what you said  
2235 earlier, that you were concentrating on three at that point...  
2236  
2237 A: That's correct.  
2238  
2239 Q: ...trying to get that - how long did it take you to do all the net in three to get  
2240 that cleaned up and moved back?  
2241  
2242 A: Ah, it varies...  
2243  
2244 Q: Okay.  
2245  
2246 A: ...ah, I - I can't put an exact amount of time. Depending on, um - depending  
2247 on available equipment, the staff availability to handle the level of - of  
2248 fouling, um, it may take longer.  
2249  
2250 Q: Okay, all right. Ah, I'll go on to, ah, 71327, this is from July - this is actually



2251 July 10th of 2017, and at the bottom there you'll see I highlighted that...

2252

2253 A: Mm-hm.

2254

2255 Q: ...almost caught up with net hygiene, planning on start floors next week, did  
2256 you ever get to the floors?

2257

2258 A: Um, no we were - I - I don't believe so, I think at this point we were moving  
2259 to site two...

2260

2261 Q: Okay.

2262

2263 A: ...and it's almost caught up. We had moved through site one, and moved  
2264 through site three, and were working on getting caught up...

2265

2266 Q: So that was the order you were going at one, three, two, one or three, two, one  
2267 basically?

2268

2269 A: Yeah I believe so...

2270

2271 Q: Okay.

2272

2273 A: ...as I recall, I know that site two was the last in line.

2274

2275 Q: Okay. Ah, just - this is an easy one - this is you talking to ([REDACTED])  
2276 over at, ah - ah, I'm sorry, ah, the title company - I'm sorry all of a sudden I'm  
2277 going blank - ah, Harley Marina I'm sorry...

2278

2279 A: Yup,

2280

2281 Q: ...and so you're the - according to this email you - you were the one that kind  
2282 of said hey get Harley Marina over here?

2283

2284 A: Um, I was, ah, in communication with them as well...

2285

2286 Q: Okay.

2287

2288 A: ...yes.

2289

2290 Q: Not that there's anything wrong with that I think it's probably appropriate in  
2291 that situation. Ah, another - another one here from July 24th, ah, [REDACTED]  
2292 [REDACTED]), you're cc'd on this - lost at least five anchors, how many do you  
2293 estimate you guys lost on that initial?

2294

2295 A: Um, this was July, ah, approximately, um, 12, 14...

2296  
2297 Q: Okay.  
2298  
2299 A: ...um, more than five.  
2300  
2301 Q: Ah, here you write - this is, ah, 46274, here this is an email on the 31st is  
2302 saying basically thank you to all for the help, do you recognize that?  
2303  
2304 A: I do.  
2305  
2306 Q: So you had multiple folks come from multiple sites to assist on this?  
2307  
2308 A: That's correct.  
2309  
2310 Q: So would you consider the - the July incident, a fairly substantial incident?  
2311  
2312  
2313 A: Yes sir.  
2314  
2315 Q: Okay. Ah, all - would you consider it getting close to - and I wanna say out of  
2316 hand, but that's not the right word, but like to the point where it was gonna  
2317 fail like it did in August?  
2318  
2319 A: Um, it was, ah, as severe a situation as I have experienced...  
2320  
2321 Q: Okay.  
2322  
2323 A: ...at that time.  
2324  
2325 Q: Okay.  
2326  
2327 A: Um, and it was, ah, I believe you seen pictures, it was - it was very  
2328 catastrophic initially.  
2329  
2330 Q: Okay. Let's just step forward then, so we talked a little bit about what you  
2331 guys did between July and the August incident, let's talk about August, ah,  
2332 describe for me your situation on - and it's roughly the 19th or the 20th of...  
2333  
2334 A: Yes.  
2335  
2336 Q: ...go head.  
2337  
2338 A: Um, similar to July, ah, this was after normal work hours, um, I believe it was  
2339 a Saturday I think, ah - um, approximately - well I can't, ah - I can't speak to  
2340 the time exactly, but it was, ah, late afternoon, I believe I received a phone

2341 call, ah, the weekend staff had left the farm - ah, just left the farm, and I  
2342 received a call from the overnigher at that point, ah, at that time is was  
2343 ([REDACTED]), um, and, ah, he had limited - eh, his English was limited, um,  
2344 but he was able to clearly make out site two was moving, ah, and that, um -  
2345 ah, there was video, um, definitely. So at that point of course I contacted  
2346 ([REDACTED]) right away. Um, I contacted ([REDACTED]), ah, ([REDACTED]), ([REDACTED]),  
2347 my assistant manager here at the time, ([REDACTED]), ah, ([REDACTED]), um, and, ah,  
2348 stated we need to respond, ah, went down (unintelligible), headed out to the  
2349 farm, I was probably there an hour or so within an hour after the initial call.  
2350 Um, arriving in the bay it appeared that the farm had moved considerably, ah,  
2351 and it was immediately clear to me that this was more drastic then July, given  
2352 the proximity it was and out to site one, um, as the (unintelligible) the  
2353 walkways.  
2354

2355 Q: Well that's a good question, I'm gonna stop you at that. You had the July  
2356 incident and you said it clearly moved, how close would you estimate was site  
2357 one at that point in July?

2358  
2359 A: Um, a couple of yards...

2360  
2361 Q: Okay.

2362  
2363 A: ...maybe.

2364  
2365 Q: That's good. And then on - in August how close was it you - would you say?

2366  
2367 A: Initially...

2368  
2369 Q: Yeah.

2370  
2371 A: ...that first day...

2372  
2373 Q: Like when you showed up yeah?

2374  
2375 A: ...um, a little closer...

2376  
2377 Q: Okay.

2378  
2379 A: ...I mean not - I - I can't...

2380  
2381 Q: Still several hundred yards but a little bit closer than it was in July?

2382  
2383 A: Yes.

2384  
2385 Q: Got it okay.



2386  
2387 A: Um...  
2388  
2389 Q: And did it progressively get worse?  
2390  
2391 A: It did.  
2392  
2393 Q: Okay.  
2394  
2395 A: Yes.  
2396  
2397 Q: But...  
2398  
2399 A: Um, so, ah, after arriving on site, ah, if I recall correctly the first thing we did  
2400 was - same as before, um, again trying to remove equipment, um, fuel - the  
2401 fuel containment equipment, generators, um, feet - I just started pulling stuff  
2402 off the site as best we could. Um, ([REDACTED]), ah, made his (unintelligible) out  
2403 there by late afternoon, um, and, ah, then he - he took over.  
2404  
2405 Q: Okay.  
2406  
2407 A: At that point, over the next - over the period of the next few days we  
2408 attempted to get it into place, however, ah - ah, the tides were an issue, ah,  
2409 there was very little slack period on the exchanges. Um, so the exchanges,  
2410 instead of having the slack period to actually do anything, the tide switched  
2411 and ran the other way. So over the next couple of days the site itself just  
2412 continued to deteriorate.  
2413  
2414 Q: Okay.  
2415  
2416 A: Um, many times it was deemed - deemed unsafe for staff to even be on site,  
2417 so, um, the August events deteriorated quickly, ah, to a point where it become  
2418 a salvage area.  
2419  
2420 Q: Okay. When the, ah, site begins to collapse like it did, ah, what would you  
2421 deter- what would you - on that scale we talked about earlier, how would you  
2422 say the net pens looked at August - that July - oh sorry - that site two net pen  
2423 set, what would you say on a scale of one to ten again?  
2424  
2425 A: Um, I don't recall exactly, um, likely from visual, ah, surface observations  
2426 they were - depending on the location, I know the floors were - had not been  
2427 addressed...  
2428  
2429 Q: Okay.  
2430

2431 A: ...the walls were probably in the area of a five.  
2432  
2433 Q: Okay. In the normal - let's say everything's being cleaned, everything's going  
2434 well, you'd say it was a two on a normal day?  
2435  
2436 A: Ideally...  
2437  
2438 Q: Okay.  
2439  
2440 A: ...um..  
2441  
2442 Q: Okay.  
2443  
2444 A: ...somewhere there.  
2445  
2446 Q: Zero would be a brand new net obviously...  
2447  
2448 A: Zero would be (unintelligible).  
2449  
2450 Q: Got it - okay. And then, ah, but the bottoms had not been addressed at all is  
2451 that correct?  
2452  
2453 A: Um, the bottoms of the site two nets were not addressed after the July incident  
2454 no.  
2455  
2456 Q: Okay, all right. Okay. So then at some point obviously you guys realize that  
2457 this thing is gonna be a total loss, was there any, ah - what's the - what's the  
2458 timeframe from initial - the oh crap moment when you get there and  
2459 everything's breaking loose for you, and all right this is a total loss - what's  
2460 that timeframe? Is it a days, half a day's...  
2461  
2462 A: Um, I don't recall exactly...  
2463  
2464 Q: Okay.  
2465  
2466 A: ...um, it was apparent...  
2467  
2468 Q: Was there...  
2469  
2470 A: ...fairly, fairly soon.  
2471  
2472 Q: Fairly soon?  
2473  
2474 A: Yeah...  
2475

2476 Q: Okay.  
2477  
2478 A: ...probably like a couple days.  
2479  
2480 Q: Was there any decisions like right away just to start getting fish out of there?  
2481  
2482 A: Um, yes I know that was discussed and, um, I know that, um - ah, ideas were  
2483 discussed and, ah, our harv- harvester, um - ah, was brought in as well as, um,  
2484 I believe there was, ah, communication with other (unintelligible) to see what  
2485 kind of options we had...  
2486  
2487 Q: Right.  
2488  
2489 A: ...pretty much.  
2490  
2491 Q: Okay. Were the fish as far as you know still intact at that point, I mean the net  
2492 ends still intact for the fish at that point?  
2493  
2494 A: Some were and some were not...  
2495  
2496 Q: Okay.  
2497  
2498 A: ...um, as the site deteriorated, um - ah, our options for - for pens, cages -  
2499 individual cages were accessible, ah, decreased...  
2500  
2501 Q: Was it...  
2502  
2503 A: ...so...  
2504  
2505 Q: ...just accordion like we talked about?  
2506  
2507 A: Kind of yeah so the first day, ah, cage 215 and 225 was the most severely hit,  
2508 like when I responded the walkway had broken free, there was some issues  
2509 there. Um, as the tides - every time the tide switched it just continued to get  
2510 worse. First we had eight cages so we could kind of work around and  
2511 (unintelligible), and then we had six and these were deteriorating rapidly. And  
2512 then just it...  
2513  
2514 Q: With each tide?  
2515  
2516 A: With each tide cycle it just progressed and became worse.  
2517  
2518 Q: I got it okay, all right. Um, obviously we know that the - the aftermath that if -  
2519 a bunch of fish got out, um, how are they accounting for how many fish got  
2520 loose, how many fish they can - were able to capture and how many they were



2521                   able to harvest with the harvester?

2522

2523

2524   A:               Um, the harvester itself, um, counts were being done, ah, as they were coming

2525                   across the table, ah...

2526

2527   Q:               Okay.

2528

2529   A:               ...so this was a vacuum pump, the pumps pull out of the cage...

2530

2531   Q:               Sure.

2532

2533   A:               ...they were across the table and shoot some pictures and stuff...

2534

2535   Q:               Yeah.

2536

2537   A:               ...so, um, so there was generally, ah - ah, numbers that was, ah, trying to count

2538                   them, ah, as best they could as they went across the table. Um, other than that

2539                   I don't know how they were counting.

2540

2541   Q:               Okay.

2542

2543   A:               I don't know how they were (unintelligible) anything up when physically

2544                   (unintelligible)

2545

2546   Q:               Sure, ah, do you - were you any part of that counting or anything like that?

2547

2548   A:               Um - ah, there was - there were - a day or two there were a couple of times

2549                   when I may have sat down...

2550

2551   Q:               Okay.

2552

2553   A:               ...ah, when I sat there and helped count...

2554

2555   Q:               So you...

2556

2557   A:               ...fish that went across the table.

2558

2559   Q:               In your opinion was the fish accounting part of it accurate or as accurate as

2560                   could be?

2561

2562   A:               Um - ah, no.

2563

2564   Q:               Okay what do you think was the problem?

2565

2566 A: Um - ah, there was one point, ah, that I recall, um, recording the number of  
2567 fish, um, and I believe that number that was reported and, ah, elevated on the  
2568 report form.

2569  
2570 Q: Who was filling out the reported forms?

2571  
2572 A: Ah, I believe that was [REDACTED]

2573  
2574 Q: Okay. So - and I'm using a hypothetical number here - let's say you counted a  
2575 thousand fish that day, ah, what was the elevation - how much?

2576  
2577 A: I don't recall exactly.

2578  
2579 Q: Was it a large amount of elevation so it doubled the number, it tripled the  
2580 number?

2581  
2582 A: It was, ah - it was a substantial amount.

2583  
2584 Q: Substantial amount of fish that were not actually being counted, but were  
2585 being told to state officials?

2586  
2587 A: That's correct.

2588  
2589 Q: Okay. Now do you - was there anybody else participating in that activity  
2590 besides Mr. [REDACTED] or is it - was it just guys like you that gave him numbers  
2591 and those numbers went elevation?

2592  
2593 A: As you just stated.

2594  
2595 Q: Okay. Got it. Were other people aware of this elevation occurring?

2596  
2597 A: I don't know.

2598  
2599 Q: Okay. You didn't talk to anybody else like another guy that was doing the  
2600 counting?

2601  
2602 A: Um, no.

2603  
2604 Q: Okay. How did you know that this was occurring?

2605  
2606 A: Um, I - I saw it.

2607  
2608 Q: Okay. So he - you gave him a number of 10,000 let's say and he writes down  
2609 20,000 - I'm using hypothetical numbers here - he writes down 20,000, do you  
2610 call him out on this?

2611  
2612  
2613 A: I do not.  
2614  
2615 Q: Okay. But you see him visually changing the numbers is that correct?  
2616  
2617 A: Yes.  
2618  
2619 Q: Okay.  
2620  
2621 A: Yes.  
2622  
2623 Q: Okay. And how many times would you estimate you saw this happen?  
2624  
2625 A: I only recall this, ah, one time in particular...  
2626  
2627 Q: Okay.  
2628  
2629 A: ...I was not involved in counting, ah, a lot. Um - ah, shortly after the August  
2630 situation, um, Mr. ([REDACTED]), ah, ([REDACTED]), a couple other guys, um - ah, ([REDACTED])  
2631 ([REDACTED]), kind of took over the salvage effort and what not, I was, ah - I - I -  
2632 not stepped away, but I removed myself to, um, maintain the other two farms.  
2633  
2634 Q: Sure.  
2635  
2636 A: So I had - I had a normal crew to manage, ah, from day to day and - and look  
2637 after the sites...  
2638  
2639 Q: Got it.  
2640  
2641 A: ...and the other cages. Um, so I - shortly after the August incident, ah, my -  
2642 my capacity was limited as far as that operation.  
2643  
2644 Q: Sure. But can you tell me about the individual incident you saw?  
2645  
2646 A: Um, I recall, ah, counting some fish going across the table, um, went back, ah,  
2647 reported that number, ah, to ([REDACTED]) and that number was inflated on the  
2648 report.  
2649  
2650 Q: Are we talking like a lot of inflation here?  
2651  
2652 A: Um, substantial...  
2653  
2654 Q: Okay.  
2655



2656 A: ...I don't recall the exact numbers...

2657

2658 Q: Okay.

2659

2660 A: ...um, but I do recall this and that.

2661

2662 Q: Okay. And did you see him write it down?

2663

2664 A: Um, I don't recall if I saw him write it down or not...

2665

2666 Q: Okay.

2667

2668 A: ...um, I believe so. This was some time ago, um...

2669

2670 Q: I understand - no, no.

2671

2672 A: ...memory is a little vague...

2673

2674 Q: No I get that that's okay...

2675

2676 A: ...um...

2677

2678 Q: ...I appreciate it. Um, but he was the only one in charge of the, ah, overall

2679 count is that correct?

2680

2681 A: I believe so.

2682

2683 Q: I mean there was guys like you doing this count here, but then when it

2684 funneled it just went to him?

2685

2686 A: I believe that's the case...

2687

2688 Q: Okay.

2689

2690 A: ...yes.

2691

2692 Q: And those are - are - were those the sheets that were turned over to the State

2693 of Washington?

2694

2695 A: I assuming so...

2696

2697 Q: Okay.

2698

2699 A: ...I - I don't know exactly.

2700

2701 Q: You (unintelligible) that's fine. Okay. Was there any other activity that you  
2702 saw occurring during this time that made you uncomfortable?  
2703

2704 A: Um - ah...  
2705

2706 Q: In terms of possible illegal activity for covering up things or anything like that  
2707 - just that incident?  
2708

2709 A: This - the incident that I just stated to you is the only thing that, ah, stood out  
2710 to me...  
2711

2712 Q: Okay.  
2713

2714 A: ...um, yes.  
2715

2716 Q: No I appreciate your honesty on that that's - that's helpful. Ah, any thoughts  
2717 on why the August incident occurred?  
2718

2719 A: I can speculate (unintelligible).  
2720

2721 Q: That's fine.  
2722

2723 A: I don't know how helpful that would be in that, you know, don't wanna  
2724 speculate, ah, but however, um, the site itself - the condition of the site was,  
2725 ah, compromised...  
2726

2727 Q: Okay.  
2728

2729 A: ...which I think is clear from the pictures (unintelligible).  
2730

2731 Q: Okay.  
2732

2733 A: So it was...  
2734

2735 Q: Ah, already like in a weaken state...  
2736

2737 A: Right.  
2738

2739 Q: ...and then, ah, obviously it had some drag on it from the net ends, ah, and  
2740 then, ah - do you think that exoskeleton actually worked or do you know  
2741 enough about it to say?  
2742

2743 A: I don't know enough about it to say...  
2744

2745 Q: Okay.

2746  
2747 A: ...to be hon- you know I'm not an engineer.  
2748  
2749 Q: Sure neither am I - I get that okay.  
2750  
2751 A: It sounded good when we wrote it on there.  
2752  
2753 Q: I don't know it - that was way out of my league on that kind of stuff. Okay,  
2754 ah, well I think I've run you in the ground pretty good here. Um, I mean that  
2755 in a positive way, ah, you've been very helpful. Ah, (unintelligible) talk about  
2756 tensioning - oh another thing I was thinking about...  
2757  
2758 A: Yeah.  
2759  
2760 Q: ...did the Colombo on you there, one more question, ah, I don't know if you're  
2761 old enough to remember that the - ah, why do they (unintelligible)?  
2762  
2763 A: Um, I as I stated earlier, um, I had been actively looking for employment  
2764 elsewhere...  
2765  
2766 Q: Okay.  
2767  
2768 A: ...um, my main issue was my personal numbers. So it was my relationship  
2769 with ([REDACTED]) - my working relationship with ([REDACTED])...  
2770  
2771 Q: Sure.  
2772  
2773 A: ...um...  
2774  
2775 Q: Okay.  
2776  
2777 A: ...ah, it wasn't - it was a toxic environment for me, it was unpleasant...  
2778  
2779 Q: Sure.  
2780  
2781 A: ...um, for many reasons...  
2782  
2783 Q: Sure...  
2784  
2785 A: ...um...  
2786  
2787 Q: Okay.  
2788  
2789 A: ...and so I was pursuing employment elsewhere.  
2790



2791 Q: Ah, you said you - ah, I think you said the, ah, Octoberish you left maybe  
2792 Novemberish, and it's not a firm date, but something in that area?  
2793  
2794 A: Something like that I only remember I began - ah, I started at, ah, (Lower) Sea  
2795 Craft mid-December...  
2796  
2797 Q: Okay.  
2798  
2799 A: ...um, and I took a little time in between.  
2800  
2801 Q: So let's say November roughly.  
2802  
2803 A: Yeah.  
2804  
2805 Q: Yeah. Ah - ah, was it the combination of these accidents or incidents I should  
2806 say they are, and the working environment that was pushing you out the door,  
2807 or do you feel like you were being blamed by management at all for the  
2808 incidents that happened in July and August?  
2809  
2810 A: I don't...  
2811  
2812 Q: Okay.  
2813  
2814 A: ...no, um, I - ah, I was given more than adequate support in my opinion during  
2815 the events...  
2816  
2817 Q: Right.  
2818  
2819 A: ...um, and, ah, they did not - those events and, ah, anything related to them did  
2820 not affect my decision...  
2821  
2822 Q: Okay.  
2823  
2824 A: ...as I had been looking, ah, prior to this.  
2825  
2826 Q: Got it - okay. Is there anything else, ah, that we haven't discussed - I know we  
2827 discussed a lot of stuff - but is there anything that you can think of, ah, that I  
2828 should know about at this time - and this doesn't have to be the only time we  
2829 talk either?  
2830  
2831 A: Um, off the top of my head no...  
2832  
2833 Q: Okay.  
2834  
2835 A: ...I feel like we covered...

2836

2837 Q: Okay then...

2838

2839 A: ...everything.

2840

2841 Q: ...then, ah, I think what we're gonna do is go off the record now, it's, ah, 8:09

2842 - 2009, and we'll - we'll end it here.

2843

2844

2845 The transcript has been reviewed with the audio recording submitted and it is an accurate  
2846 transcription.

2847 Signed \_\_\_\_\_